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(54) ANTIMICROBIAL POWDER COATING COMPOSITION

(57)Abstract:

PURPOSE: To obtain the subject composition useful for building, electrical and electronic parts, etc., having excellent persistence, durability and weather resistance without causing change of color, comprising a specific compound and a resin for powder coating.

CONSTITUTION: This coating composition comprises

(A) preferably 0.5-10 pts.wt. (based on 100 pts.wt. composition) compound of the formula $[M^1 \cdot A \cdot M^2 \cdot (PO_4)_n \cdot nH_2O]$ where (M¹ is one or more metallic ions selected from silver, copper, zinc, tin, mercury, lead, iron, cobalt, nickel, manganese, arsine, antimony, bismuth, barium, cadmium and chromium; A is alkaline (earth) metal ion, ammonium ion or hydrogen ion; M² is tetravalent metal; (n) is 0-6; a+b is 1a+mb=1 or 2; (c) and (d) are in correlation where (c) is 2 and (d) is 3 when 1a+mb=1 and (c) is 1 and (d) is 2 when 1a+mb=2; with the proviso that (1) is valence of M¹; (m) is valence of A] and (B) a resin for powder coating such as PVC or nylon.



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